

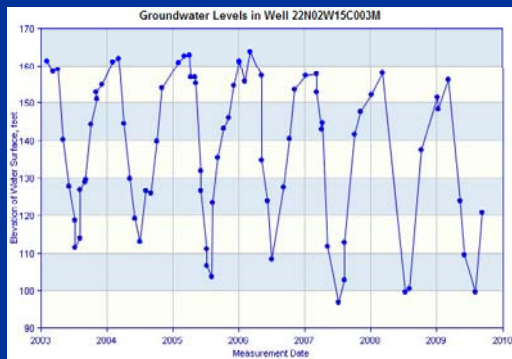


DEPARTMENT OF
WATER RESOURCES

California Water Plan Update 2013

Groundwater Content Enhancement

Groundwater Caucus Meeting
April 27, 2012

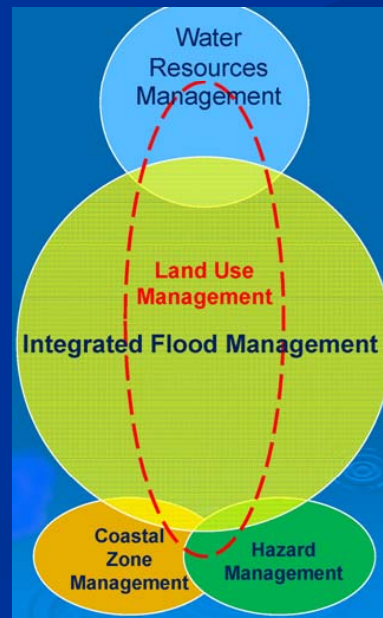


Water Plan Update 2013

Groundwater Content Enhancement

Objective

Expand information about statewide and regional groundwater conditions to better inform groundwater management actions and policies through compilation and summarization of data and analysis



Water Plan Update 2013

Groundwater Content Enhancement Project Scope

1. Compile groundwater information ← (status update provided)
2. Summarize groundwater conditions and management activity ←
3. Identify data gaps
4. Estimate annual change in groundwater storage ←
5. Present Case Studies
6. Inventory and describe potential for conjunctive management of groundwater and other supplies ←
7. Inventory and describe potential for groundwater banking and integrated flood management ←
8. Develop preliminary sustainability indicators



Results from November Survey Monkey



- 17 People access the survey
- 10 Responses to Deliverable 1 question...asking for data availability and willingness to assist with content development.
- 10 Responses to Deliverable 4 question...asking for feedback on data availability, change in storage methods, QA/QC, use of existing groundwater models.
- 19 Responses to two Deliverable 6 questions...asking for participation and feedback on content development & presentation, data availability, and data sensitivity issues.

PAGE: FOLLOW-UP HOMEWORK FOR THE CALIFORNIA WATER PLAN GROUNDWATER CAUCUS			
1. Did you attend the Groundwater Meeting on November 10?			
		Response Percent	Response Count
Yes	<div><div></div></div>	62.5%	10
No	<div><div></div></div>	37.5%	6
Other (please specify)			2
Show replies			
answered question			16
skipped question			1

Draft CWP Hydrologic Region Report Outline and Groundwater Content (Included in volume 2 of CWP)

Hydrologic Region Report

(draft outline with groundwater content)

Summary and Recommendations (Groundwater Content)

Current State of the Region

- Watersheds
- Groundwater Aquifers
- Ecosystems
- Climate
- Demographics
- Land Use Patterns
- Tribal Communities

Regional Resource Management Conditions

- Water in the Environment
- Water Governance
- Water Supplies
- Water Uses
- Project Operations
- Surface Water Quality
- Groundwater Quality
- Aquifer Conditions and Issues
- Near Coastal Issues
- Flood Management

Current Relationships with Other Regions and States

Implementation Activities (2009-2013)

- Drought Contingency Plans
- Resource Management Strategies
- Water Governance
- State Funding Received
- Local Investment
- Water Conservation Act of 2009 (SB x7-7) Implementation Status and Issues
- Interregional and Interstate Activities

Looking to the Future

Future Conditions

- Future Scenarios
- Interregional and Interstate Planning Activities
- Flood Risk Characterization

Future Vision

- Regional Future Vision
- Tribal Objectives/Vision
- Relevant Statewide Interests and Objectives

Regional Water Planning and Management

- Integrated Regional Water Management Coordination and Planning
- Accomplishments
- Challenges
- Drought and Flood Planning

Resource Management Strategies

- Strategy Availability
- Regional Strategies

References



CALIFORNIA GROUNDWATER UPDATE
CWP 2013 Groundwater Content Enhancement
Draft Abbreviated Outline

1. INTRODUCTION
2. FINDINGS
3. RECOMMENDATIONS
4. METHODS and ASSUMPTIONS
5. STATEWIDE GROUNDWATER UPDATE
 - 5.1. Statewide Groundwater Supply and Development
 - 5.2. Statewide Groundwater Use
 - 5.3. Statewide Groundwater Monitoring Efforts
 - 5.4. Statewide Aquifer Conditions
 - 5.5. Statewide Groundwater Management Activities
 - 5.6. Case Studies of Groundwater Management
 - 5.7. Integrated Multi-benefit Groundwater Management Opportunities
 - 5.8. Statewide Groundwater Budget and Indicators of Sustainability
 - 5.9. Groundwater Data Gap Analysis
6. HYDROLOGIC REGION GROUNDWATER UPDATE
 - 6.1. North Coast Hydrologic Region
 - 6.1.1. North Coast Groundwater Supply and Development
 - 6.1.2. North Coast Groundwater Use
 - 6.1.3. North Coast Groundwater Monitoring Efforts
 - 6.1.4. North Coast Aquifer Conditions
 - 6.1.5. North Coast Groundwater Management Activities
 - 6.1.6. North Coast Integrated (multibenefit) Groundwater Management Opportunities
 - 6.1.7. North Coast Groundwater Budget and Sustainability Indicators
 - 6.1.8. North Coast Groundwater Data Gap Analysis
 - 6.2. San Francisco Hydrologic Region...(subsections similar to North Coast)
 - 6.3. Central Coast Hydrologic Region...(subsections similar to North Coast)
 - 6.4. South Coast Hydrologic Region...(subsections similar to North Coast)
 - 6.5. Sacramento River Hydrologic Region...(subsections similar to North Coast)
 - 6.6. San Joaquin River Hydrologic Region...(subsections similar to North Coast)
 - 6.7. Tulare Lake Hydrologic Region...(subsections similar to North Coast)
 - 6.8. North Lahontan Hydrologic Region...(subsections similar to North Coast)
 - 6.9. South Lahontan Hydrologic Region...(subsections similar to North Coast)
 - 6.10. Colorado River Hydrologic Region...(subsections similar to North Coast)
 - 6.11. Sacramento-San Joaquin Delta...(subsections similar to North Coast)
 - 6.12. Mountain Counties Area...(subsections similar to North Coast)
7. REFERENCE
8. GLOSSARY
9. APPENDIX (Change in Storage Technical Memorandum)

Draft
Standalone
Groundwater Report
Outline
(Included in Volume 4 of CWP)



CWP Plan Update 2013

Partial Timeline and Deliverables

